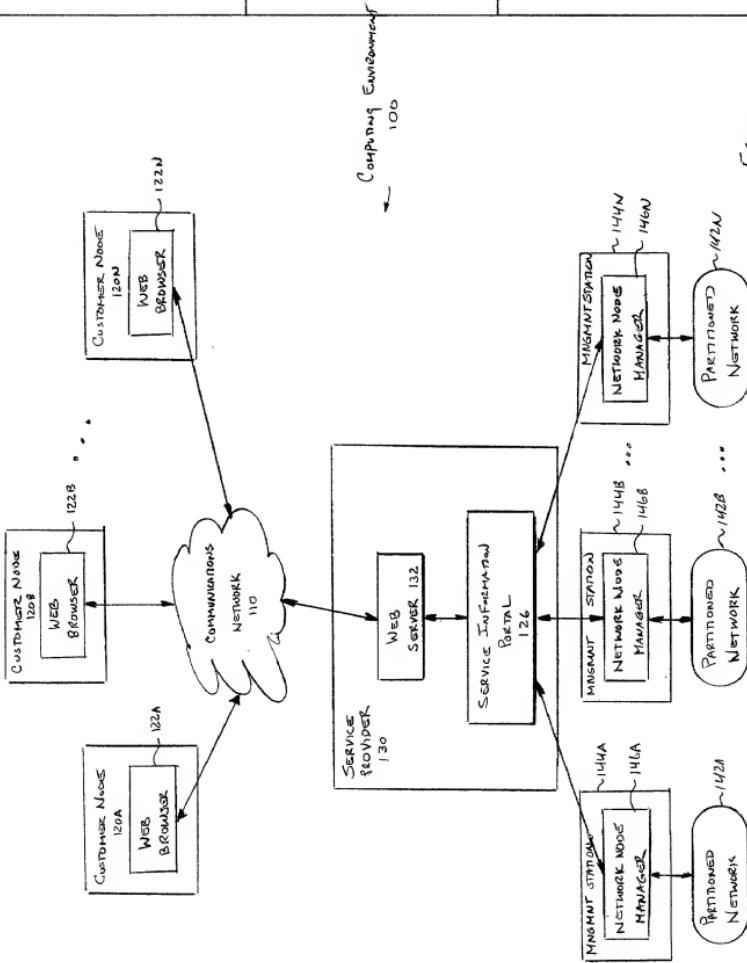


Figure 1



Service Information Portal 126

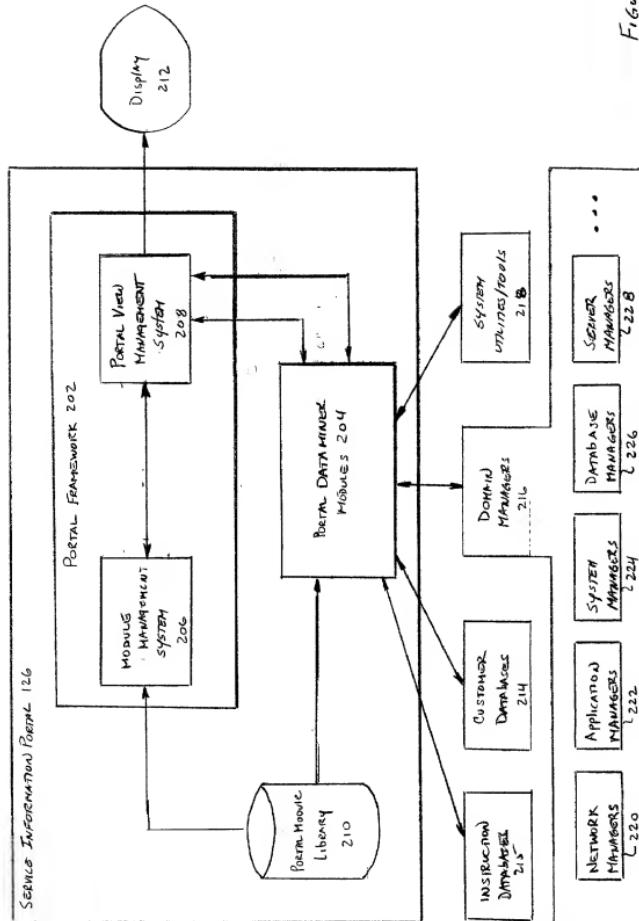


Figure 2

The Arpad logo is located in the top right corner. It consists of a circular emblem containing a stylized 'A' or 'P' shape, with the word 'ARPAD' written vertically around it.

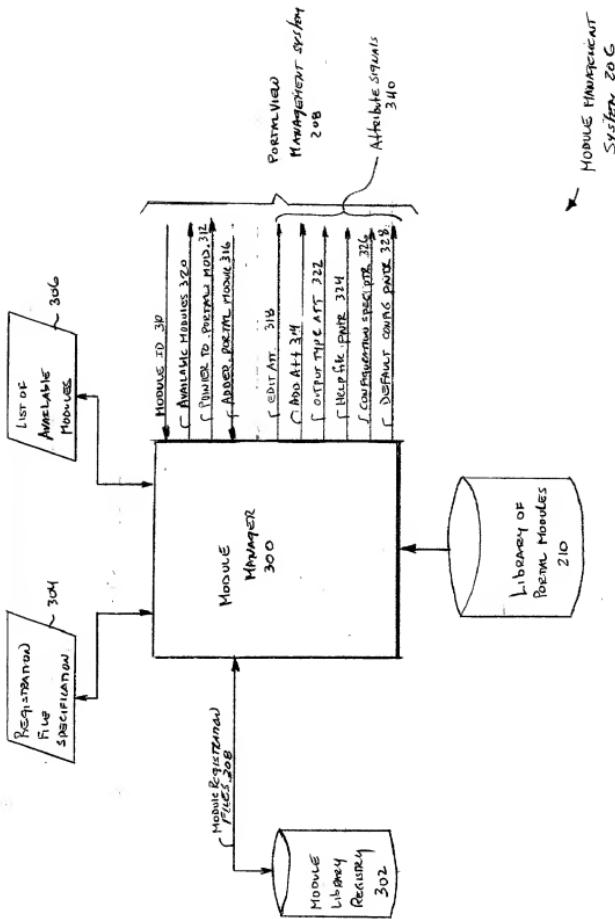


Figure 3A

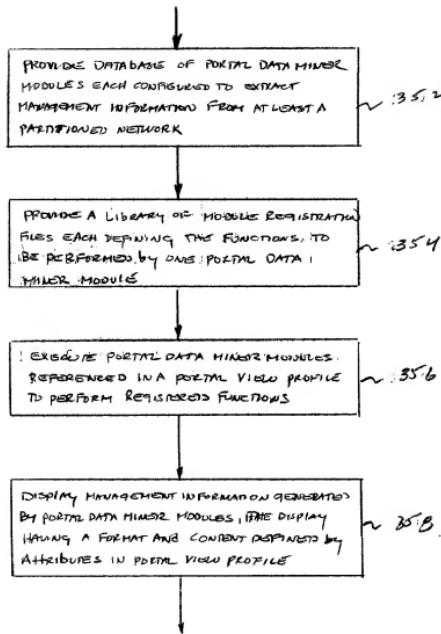


FIGURE 3B

Module Registration FILE  
Specification 400

```
1 <!-- OVMModuleRegistration.dtd -->
2 <!-- Copyright (c) 2000 Hewlett-Packard
3 Company -->
4 <!-- $Revision: /main/BACCHUS/8 $ -->
5 <!-- $Date: 2001/03/15 00:13 UTC $ -->
6
7 <!ELEMENT ModuleRegistration EMPTY>                                404
8
9 <!ATTLIST ModuleRegistration
10   vendorName          CDATA #IMPLIED
11   vendorURL           CDATA #IMPLIED
12   description         CDATA #IMPLIED
13   version             CDATA #IMPLIED
14   category            CDATA "General"
15   title               CDATA #IMPLIED
16   classid             ID    #REQUIRED
17   implementation       CDATA #REQUIRED
18   outputType          CDATA
19   (narrow|NARROW|wide|WIDE|any|ANY) "narrow"
20   add
21   (1|0|YES|yes|NO|no) "no"
22   edit
23   (1|0|YES|yes|NO|no) "no"
24   help                CDATA #IMPLIED
25   configDTD           CDATA #IMPLIED
26   defaultConfigXML    CDATA #IMPLIED>
```

HEADER DATA 402

ATTRIBUTE LIST 406

Figure 4

NETWORK HEALTH  
MODULE REGISTRATION FILE  
500

```
1  <?xml version="1.0" standalone="no"?>
2  <!DOCTYPE ModuleRegistration SYSTEM
3  "OVModuleRegistration.dtd">
4  <ModuleRegistration
5      vendorName      ="Hewlett-Packard
6                      Company"
7      vendorURL       ="http://www.
8                      openview.hp.com"
9      description     ="HP OpenView SIP Network
10                     Device Health Module"
11     version         ="2.0"
12     category        ="NNM"
13     title           ="Network Device
14                     Health"
15     classid         ="com.hp.ov.portal.
16                     modules.health"
17     implementation   ="/servlet/com.hp.ov.
18                     portal.modules.health.
19                     HealthServlet"
20     outputType      ="narrow"
21     add              ="yes"
22     edit             ="yes"
23     help            ="/OvSipDocs/C/help/
24                     NNM/healthView.html"
25     configDTD       ="OVNetworkHealth.dtd"
26     defaultConfigXML
27                     ="defaults/
28                     OVDefaultNetHealth.
29                     xml"
30
31  />
```

FIGURE 5

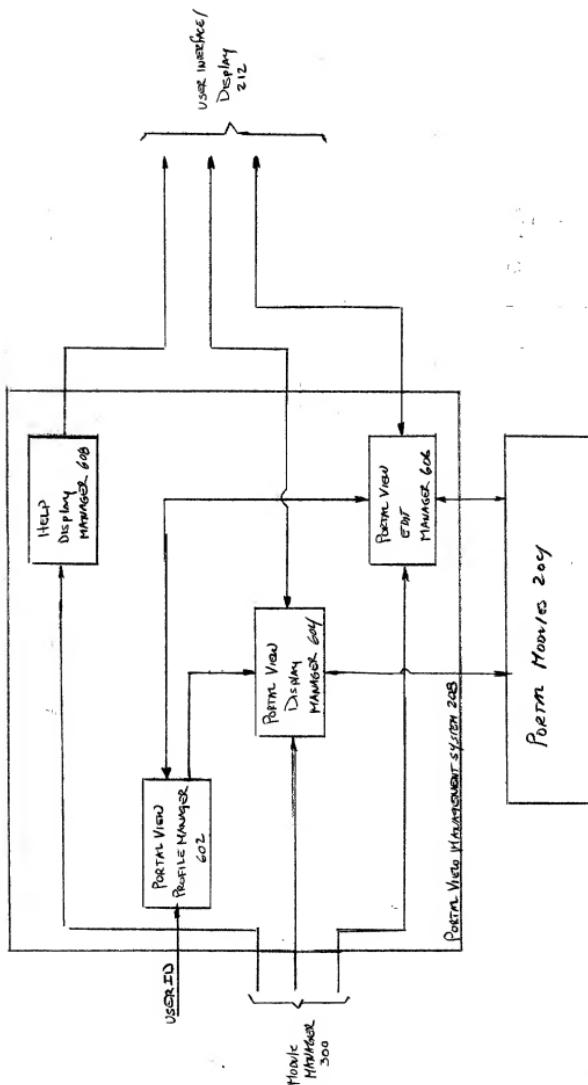


FIGURE 6

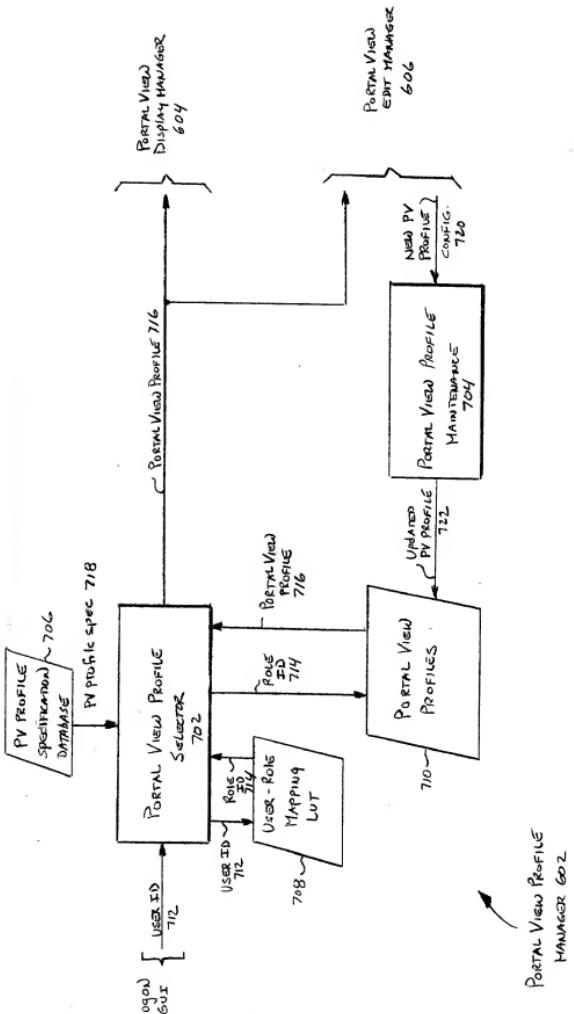


Figure 7

PORTAL View  
Profile 800

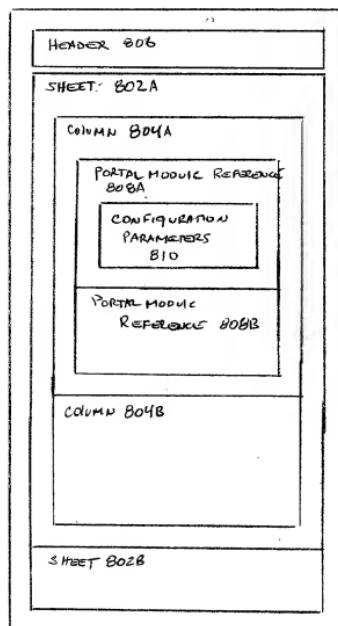


FIGURE 8

NETWORK HEALTH PROFILE  
View Profile Specification

900

```
1 | <!-- OVNetworkHealth.dtd
2 | <!-- Copyright (c) 2000 Hewlett-Packard
3 | Company
4 | <!-- $Revision: /main/BACCHUS/7 $
5 | <!-- $Date: 2001/04/11 20:41 UTC $
6 | <!--
7 | <!ELEMENT NetworkHealth (Summary+)
8 | <!ATTLIST NetworkHealth
9 |   showRawData (yes|no|YES|NO|1|0) "no"
10 |  showUnknown (yes|no|YES|NO|1|0) "no"
11 | >
12 |
13 | <!ELEMENT Summary (Component+, (NodeSelection | InterfaceSelection))>
14 | <!ATTLIST Summary
15 |   id          CDATA #REQUIRED
16 |   title       CDATA #REQUIRED
17 |   display     (yes|no|YES|NO|1|0) "yes"
18 |   displayDepth (1|2|3) "3"
19 |
20 | >
```

FIGURE 9.

FIGURE 10A

FIGURE 10B

FIGURE 10C

FIGURE 10D

FIGURE 10E

FIGURE 10F

FIGURE 10G

FIGURE 10

PORTAL VIEW PROFILE  
100

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE PortalView SYSTEM
3 ".../PortalView.dtd">
4 <PortalView
5 | colorSchemes="/OvSipDocs/styles/default.css"
6 | defaultSheetID="NetworkSheet"
7 | refreshRate="5000" showDateTime="yes"
8 | showUserName="yes" userName="Any User">
9 |     <Sheet id="NetworkSheet" title="Network">
10 |         <Column width="narrow">
11 |             <ModuleInstance
12 |                 classid="com.hp.ov.portal.modules.health"
13 |                 display="yes" id="NetworkHealth"
14 |                 rollupState="down">
15 |                     <NetworkHealth showRawData="no"
16 |                         showUnknown="no">
17 |                         <Summary display="no"
18 |                             displayDepth="3" id="InterfaceHealth"
19 |                             title="Interface Health">
20 |                             <Component href="#IfStatus"
21 |                                 vital="yes" weight="2"/>
22 |                             <Component href="#IfUtil"
23 |                                 vital="no" weight="1"/>
24 |                             <Component href="#IfInErrors"
25 |                                 vital="no" weight="1"/>
26 |                             <Component
27 |                                 href="#IfOutErrors" vital="no" weight="1"/>
28 |                                 <InterfaceSelection
29 |                                     id="AllInterfaces" op="AND" title="All
30 |                                     Interfaces"/>
31 |                         </Summary>
```

Figure 10A

PORTAL View PROFILE

1000

```
32 |           <Summary display="yes"
33 | displayDepth="3" id="RouterHealth"
34 | title="Router Health">
35 |           <Component href="#IfHealth"
36 | vital="no" weight="1"/>
37 |           <Component
38 | href="#CiscoCpuUtil" vital="no" weight="1"/>
39 |           <NodeSelection id="Routers"
40 | op="AND" title="Routers">
41 |           <CapabilityFilter op="OR">
42 |               <Capability
43 | field="isRouter" value="true"/>
44 |           </CapabilityFilter>
45 |       </NodeSelection>
46 |   </Summary>
47 |   <Summary display="no"
48 | displayDepth="3" id="KeyDeviceHealth"
49 | title="Key Device Health">
50 |           <Component href="#IfHealth"
51 | vital="no" weight="1"/>
52 |           <NodeSelection
53 | id="KeyDevices" op="AND" title="Key Devices">
54 |               <CapabilityFilter op="OR">
55 |                   <Capability
56 | field="isKeyDevice" value="true"/>
57 |               </CapabilityFilter>
58 |           </NodeSelection>
59 |       </Summary>
```

~ PORTAL Module  
REFERENCE  
1006A  
(CONT)

FIGURE 10B

PORTAL View PROFILE  
1000

```

60           <Summary display="no"
61   displayDepth="3" id="CPEHealth" title="CPE
62   Health">
63           <Component href="#IfHealth"
64   vital="no" weight="1"/>
65           <NodeSelection id="CPE"
66   op="AND" title="Customer Premise Equipment">
67               <CapabilityFilter op="OR">
68                   <Capability
69   field="isCPE" value="true"/>
70           </CapabilityFilter>
71       </NodeSelection>
72   </Summary>
73   <Summary display="no"
74   displayDepth="3" id="ServerHealth"
75   title="Server Health">
76           <Component href="#IfHealth"
77   vital="no" weight="1"/>
78           <NodeSelection id="Servers"
79   op="AND" title="Servers">
80               <CapabilityFilter op="OR">
81                   <Capability
82   field="isServer" value="true"/>
83           </CapabilityFilter>
84       </NodeSelection>
85   </Summary>
86   </NetworkHealth>
87   </ModuleInstance>

```

Figure 10c

PORTAL View Profile  
1000

```

88 <ModuleInstance>
89 | classid="com.hp.ov.portal.modules.bookmarks"
90 | display="yes" id="BookmarksModule"
91 | rollupState="down">
92 |     <Bookmarks>
93 |         <Entry href="http://www.hp.com"
94 | target="bookmarkwin" title="HP Primary Site"/>
95 |         <Entry
96 | href="http://www.openview.hp.com"
97 | target="bookmarkwin" title="HP OpenView Site"/>
98 |     </Bookmarks>
99 |     </ModuleInstance>
100 </Column>
101 <Column width="wide">
102 <ModuleInstance>
103 | classid="com.hp.ov.portal.modules.topomap"
104 | display="yes" id="Topology" rollupState="down">
105 |     <TopologyMap drillDown="no"
106 | showStatus="yes">
107 |     <Submap
108 | href="ovw://hpcndta/default/Internet"/>
109 |     </TopologyMap>
110 </ModuleInstance>

```

FIGURE 10D

PORTAL View PROFILE  
1000

```

111 <ModuleInstance classid="com.hp.ov.portal.modules.alarms"
112   display="yes" id="Alarm" rollupState="down">
113   <AlarmDisplay>
114     <CategoryDefName href="ErrorAlarms.xml"/>
115     <CategoryDefName href="ThresholdAlarms.xml"/>
116     <CategoryDefName href="StatusAlarms.xml"/>
117     <CategoryDefName href="ConfigurationAlarms.xml"/>
118     <CategoryDefName href="ApplicationAlertAlarms.xml"/>
119     <CategoryDefName href="AllAlarms.xml"/>
120   </AlarmDisplay>
121 </ModuleInstance>
122 </Column>
123 </Sheet id="ServicesSheet" title="Services">
124   <Column width="narrow">
125     <ModuleInstance classid="com.hp.ov.portal.modules.service.SvcCa
126       rdServlet" display="yes"
127       help="/OvSipDocs/C/help/VPNavigator/cardView.ht
128       ml" id="module10" rollupState="down"
129       title="Service Cards">
130       <ServiceCard details="no"
131         server="" />
132     </ModuleInstance>
133   </Column>
134 </Sheet>
135 <ViewWindow attributes="1004" />
136 <ModuleReference id="1006E" />
137 </ViewWindow />
138 </ViewWindow />
139 <ViewWindow attributes="1005" />
140 <ModuleReference id="1006F" />
141 </ViewWindow />

```

VIEW WINDOW ATTRIBUTES  
1004

Portal Module Reference  
1006E

Figure 10E

Portal View Profile  
1000

```

142 <ModuleInstance>
143 classid="com.hp.ov.portal.modules.service.SvcHe
144 althServlet" display="yes"
145 help="/OvSipDocs/C/help/VPNavigator/healthView.
146 html" id="module11" rollupState="down"
147 title="Service Health">
148 <ServiceHealth details="no"
149 server="">
150 <ServiceSummary critical="no"
151 id="normal" inverse="no" major="no" minor="no"
152 normal="yes" recursive="yes" scoreName="Normal"
153 title="Normal Services" warning="no"/>
154 <ServiceSummary critical="yes"
155 id="critical" inverse="yes" major="no"
156 minor="no" normal="no" recursive="yes"
157 scoreName="Critical" title="Critical Services"
158 warning="no"/>
159 <ServiceSummary critical="yes"
160 id="abnormal" inverse="yes" major="yes"
161 minor="yes" normal="no" recursive="yes"
162 scoreName="Abnormal" title="Abnormal Services"
163 warning="yes"/>
164 </ServiceHealth>
165 </ModuleInstance>
166 </Column>
167 <Column width="wide">
168 <ModuleInstance>
169 classid="com.hp.ov.portal.modules.service.SvcLi
170 stServlet" display="yes"
171 help="/OvSipDocs/C/help/VPNavigator/browserView
172 .html" id="module7" rollupState="down"
173 title="Service Browser">
174 <ServiceBrowser details="no"
175 server="" />
176 </ModuleInstance>

```

Portal Module  
REFERENCE  
1006F

ViewWindow  
Attributes  
1004

Portal Module  
1006G

Figure 10F

PORTALVIEW PROFILE

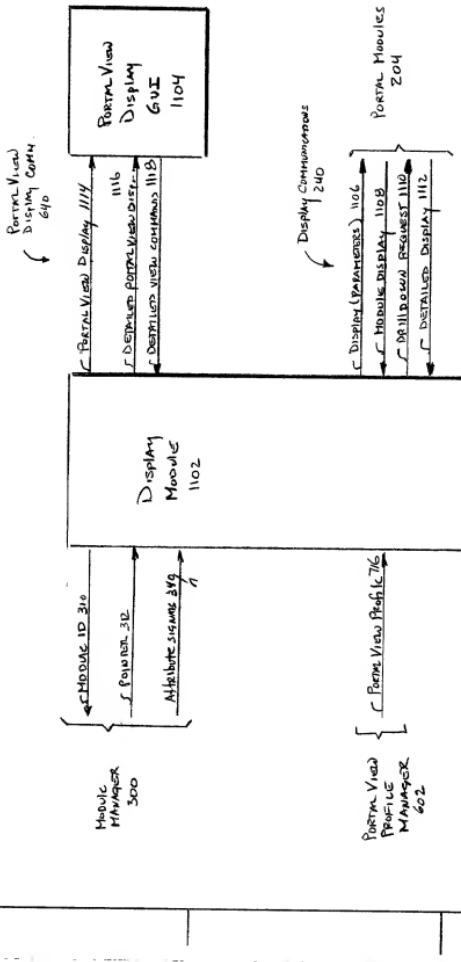
1000

```
177 |-----<ModuleInstance-----|  
178 | classid="com.hp.ov.portal.modules.service.SvcGr|  
179 | aphServlet" display="yes"  
180 | help="/OvSipDocs/C/help/VPNavigator/graphView.h  
181 | tml" id="module8" rollupState="down"  
182 | title="Service Graph">  
183 | <ServiceGraph server="" />  
184 |-----</ModuleInstance>-----|  
185 |-----</Column>-----|  
186 |-----</Sheet>-----|  
187 |-----</PortalView>-----|
```

Portals Module REFERENCES  
106/H

View Windows  
Attributes  
1004

Figure 106



Figures 11

Portal View Display  
Manager end

PRINTED IN U.S.A. 1985 22-144



50 SHEETS  
22-141  
100 SHEETS  
22-142  
200 SHEETS  
22-144

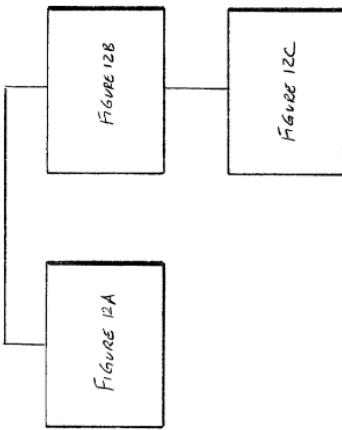


FIGURE 12

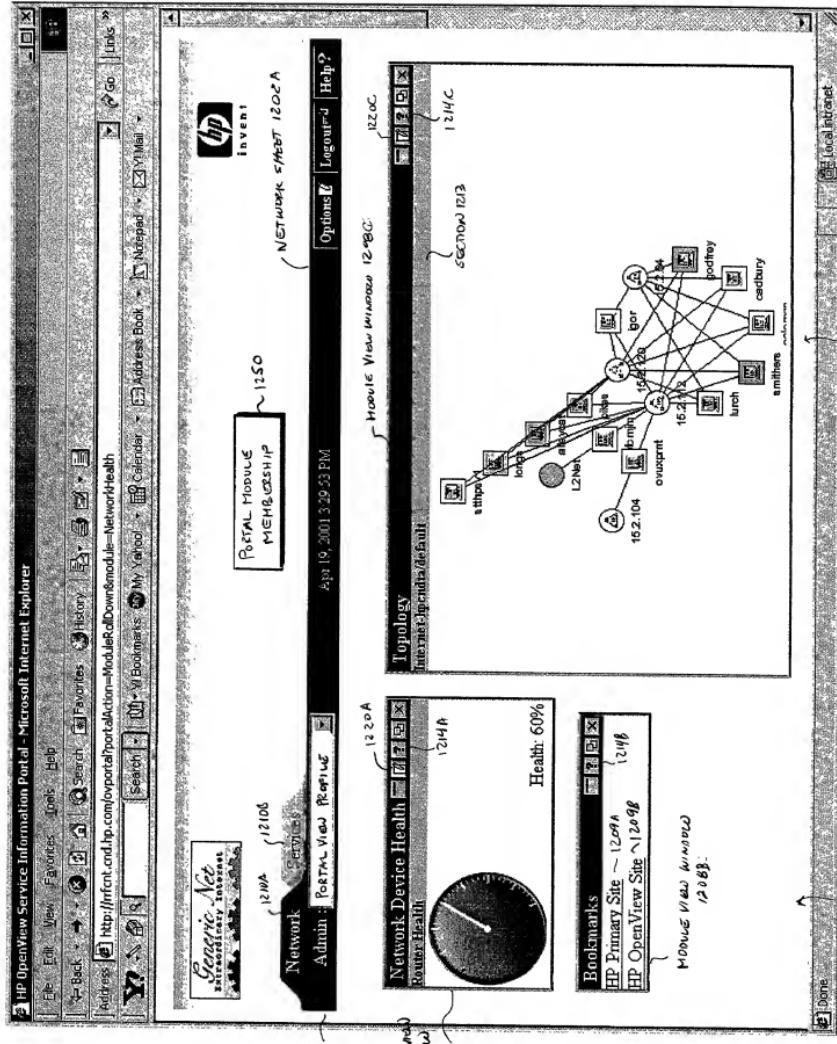


FIGURE 12 A  
Right column 1206

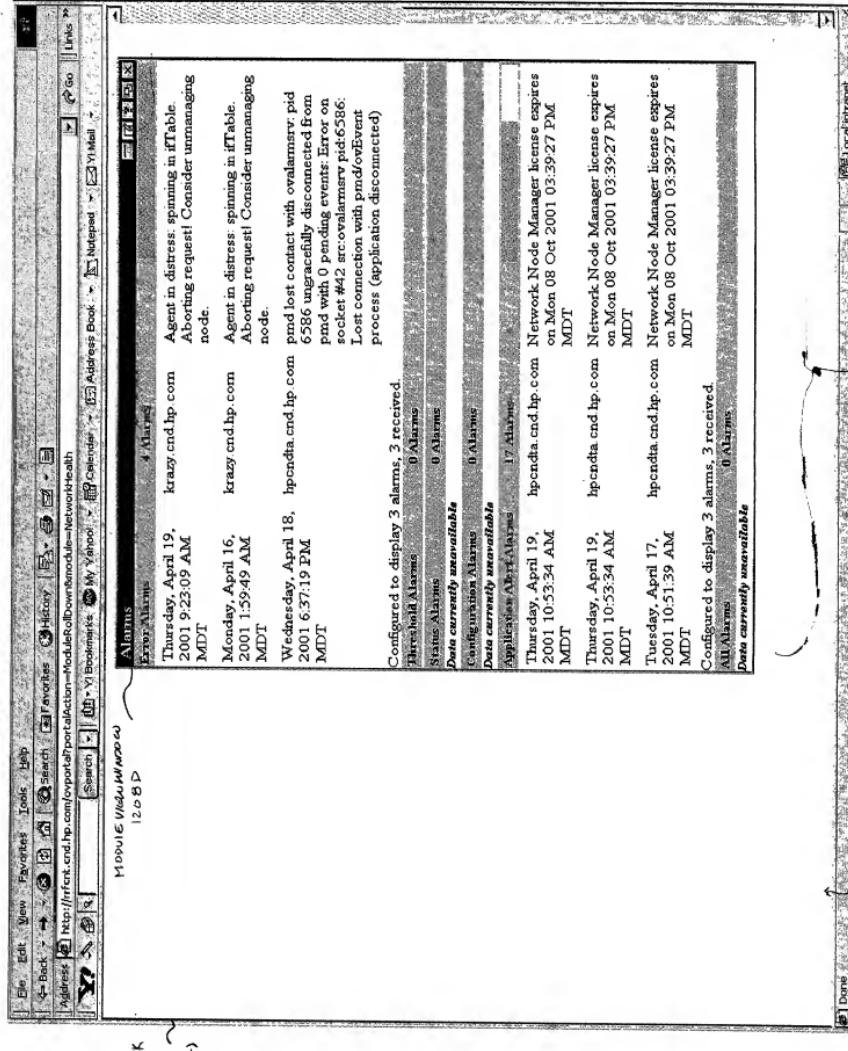


FIGURE 12B

1206

1204

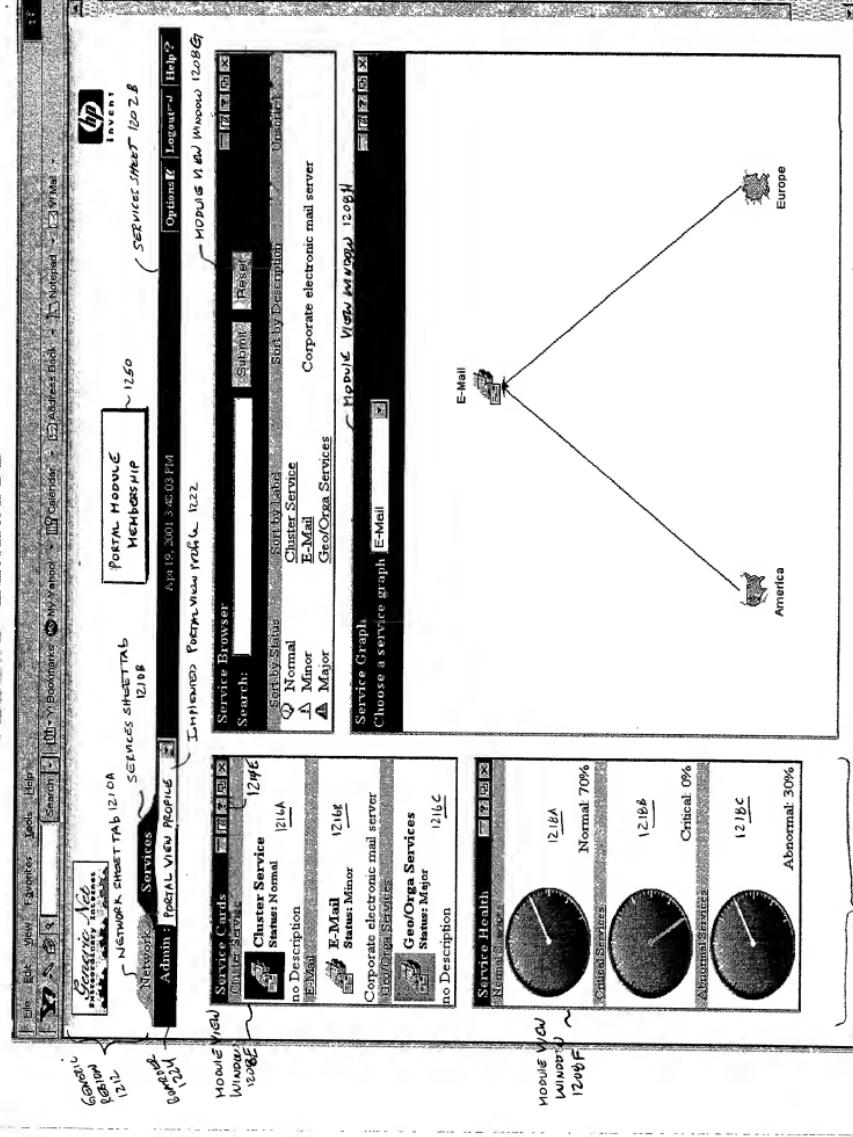


FIGURE 12C

LEFT COLUMN 120

HP OpenView Service Information Portal - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh History Search

Address: [Http://infrak.cnd.hp.com/ovsp/oracleactionModuleSpec?cmd=modActionDown&health=RouterHealth](http://infrak.cnd.hp.com/ovsp/oracleactionModuleSpec?cmd=modActionDown&health=RouterHealth)

Home HP Invent

Home Help ?

Admin

Power Health Details View 2000

Network Device Health

| Resource            | Overall Health                               | Interface Health                            | CPU Utilization Health                                  |
|---------------------|--|---|---|
| coleman.cnd.hp.com  | <span style="color: #0000ff;">●</span> 33 %  | <span style="color: #0000ff;">●</span> 33%  | <span style="color: #0000ff;">●</span> Data unavailable |
| sttspsv1.cnd.hp.com | <span style="color: #0000ff;">●</span> 40 %  | <span style="color: #0000ff;">●</span> 40%  | <span style="color: #0000ff;">●</span> Data unavailable |
| pikes.cnd.hp.com    | <span style="color: #0000ff;">●</span> 40 %  | <span style="color: #0000ff;">●</span> 40%  | <span style="color: #0000ff;">●</span> Data unavailable |
| hpfcmin1.cnd.hp.com | <span style="color: #0000ff;">●</span> 50 %  | <span style="color: #0000ff;">●</span> 50%  | <span style="color: #0000ff;">●</span> Data unavailable |
| orwspnt.cnd.hp.com  | <span style="color: #0000ff;">●</span> 50 %  | <span style="color: #0000ff;">●</span> 50%  | <span style="color: #0000ff;">●</span> Data unavailable |
| turch.cnd.hp.com    | <span style="color: #0000ff;">●</span> 60 %  | <span style="color: #0000ff;">●</span> 60%  | <span style="color: #0000ff;">●</span> Data unavailable |
| radbury.cnd.hp.com  | <span style="color: #0000ff;">●</span> 60 %  | <span style="color: #0000ff;">●</span> 60%  | <span style="color: #0000ff;">●</span> Data unavailable |
| igor.cnd.hp.com     | <span style="color: #0000ff;">●</span> 60 %  | <span style="color: #0000ff;">●</span> 60%  | <span style="color: #0000ff;">●</span> Data unavailable |
| jongs.cnd.hp.com    | <span style="color: #0000ff;">●</span> 66 %  | <span style="color: #0000ff;">●</span> 66%  | <span style="color: #0000ff;">●</span> Data unavailable |
| alleycat.cnd.hp.com | <span style="color: #0000ff;">●</span> 66 %  | <span style="color: #0000ff;">●</span> 66%  | <span style="color: #0000ff;">●</span> Data unavailable |
| samthers.cnd.hp.com | <span style="color: #0000ff;">●</span> 100 % | <span style="color: #0000ff;">●</span> 100% | <span style="color: #0000ff;">●</span> Data unavailable |
| godfrey.cnd.hp.com  | <span style="color: #0000ff;">●</span> 100 % | <span style="color: #0000ff;">●</span> 100% | <span style="color: #0000ff;">●</span> Data unavailable |

Figure 13

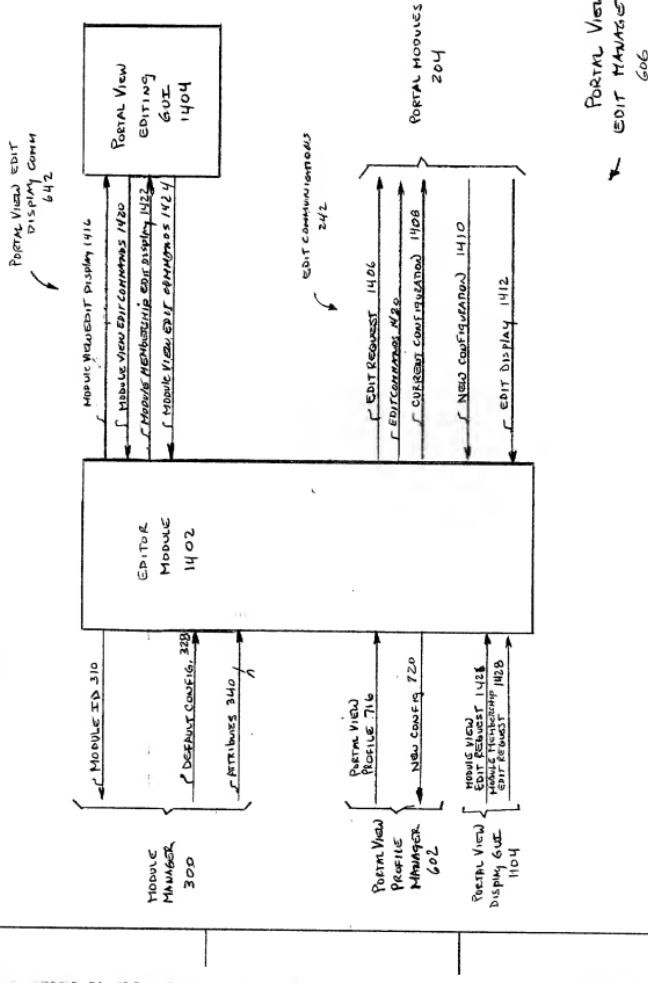
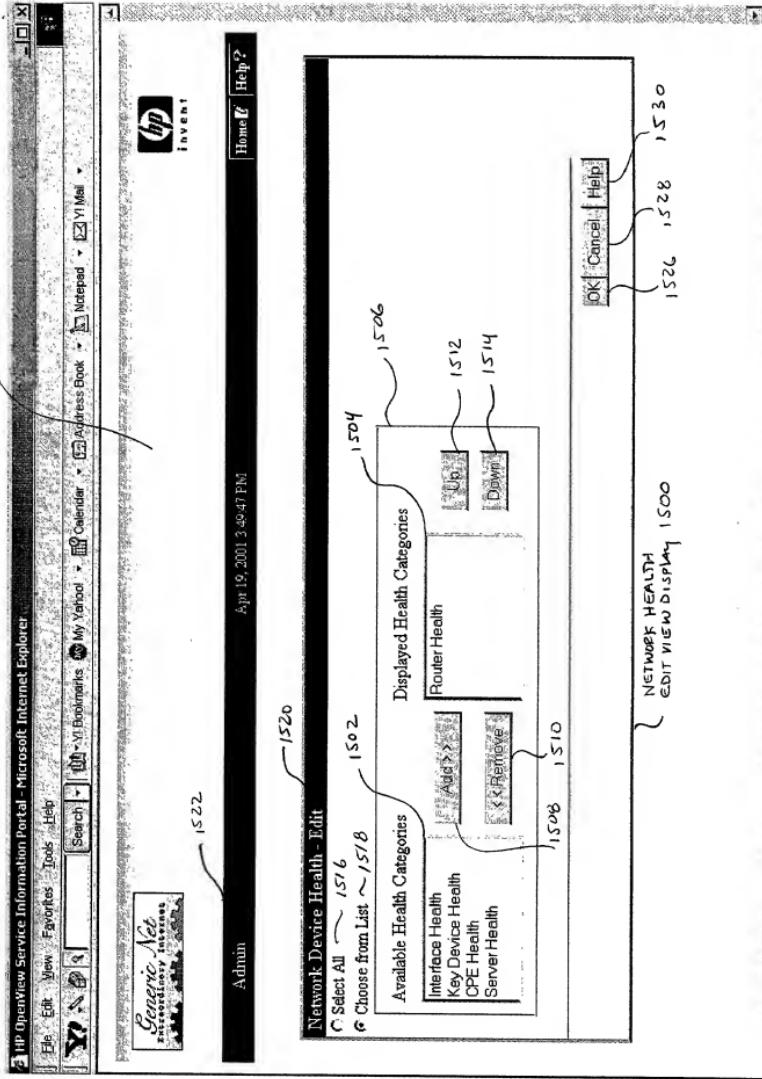


Figure 14

Figure 15



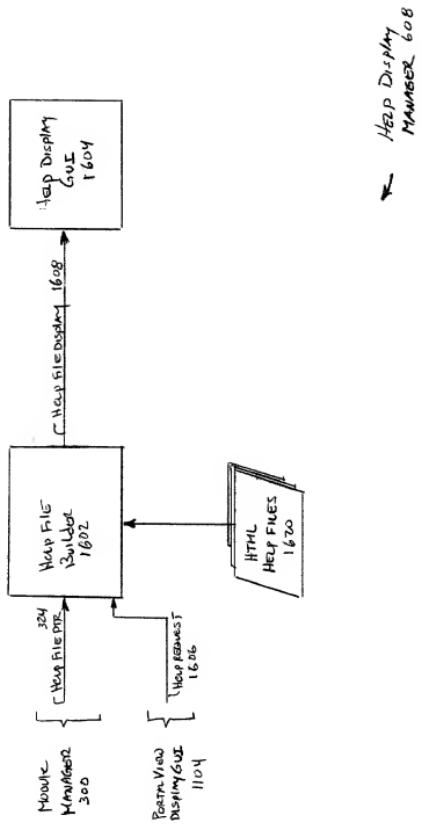


FIGURE 16

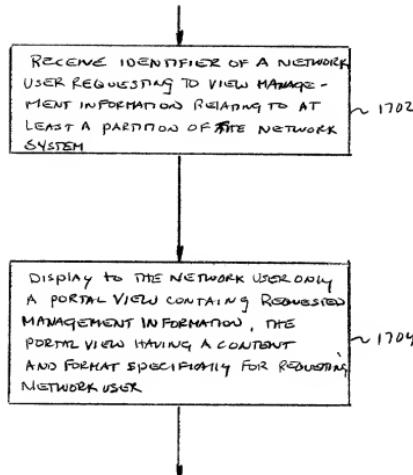


FIGURE 17

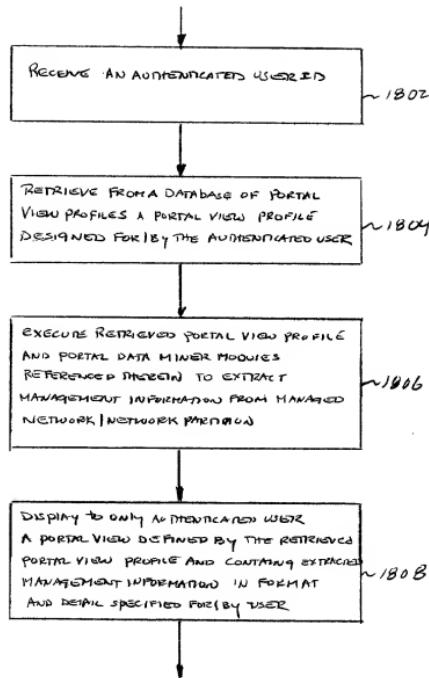


FIGURE 18

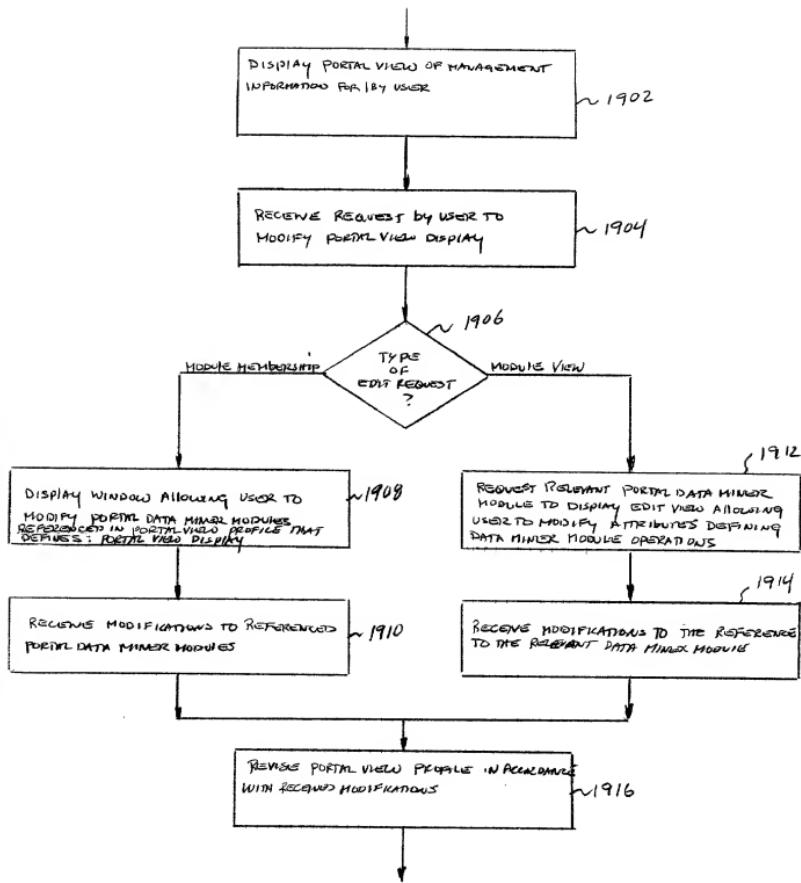


FIGURE 19